

ABSTRACT OF DISCLOSURE

The present invention provides a display device which is capable of performing the gamma correction of a video signal voltage applied to respective pixels. The display device includes a drive circuit which supplies the video signal voltage to a plurality of video signal lines, wherein the drive circuit includes a storage circuit which stores display data inputted from the outside, a reference data generating circuit which generates reference data, a ramp voltage generating circuit which generates a ramp voltage, a plurality of comparing circuits which compares the display data stored in the storage circuit and the reference data generated by the reference data generating circuit, and a plurality of sampling circuits which sample the ramp voltage generated by the ramp voltage generating circuit based on a result of comparison of the comparing circuit and output the sampled ramp voltage as a video signal voltage to respective video signal lines, wherein the reference data generated by the reference data generating circuit is changed non-linearly with respect to time.